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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,096	08/31/2001	Melissa E. DeRosier	4846-001	3163
24112 COATS & BEN	7590 08/20/2007 NNETT, PLLC		EXAM	INER
1400 Crescent	Green, Suite 300		JARRETT,	SCOTT L
Cary, NC 2751	8		ART UNIT	PAPER NUMBER
			3623	
			MAIL DATE	DELIVERY MODE
			08/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	09/945,096	DEROSIER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Scott L. Jarrett	3623				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet wi	th the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was realized to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 36(a). In no event, however, may a re vill apply and will expire SIX (6) MON , cause the application to become AB	CATION. eply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 25 M	ay 2007.					
2a)⊠ This action is FINAL . 2b)☐ This						
3) Since this application is in condition for allowar	•	• •				
closed in accordance with the practice under E	x parte Quayle, 1935 C.D	. 11, 453 O.G. 213.				
Disposition of Claims						
4) ☐ Claim(s) 39-53 is/are pending in the application 4a) Of the above claim(s) 39-45 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 46 and 49-53 is/are rejected. 7) ☐ Claim(s) 47 and 48 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	n from consideration.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) acce	epted or b)☐ objected to	by the Examiner.				
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	· · · · · · · · · · · · · · · · · · ·					
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in A rity documents have been u (PCT Rule 17.2(a)).	pplication No received in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s	Summary (PTO-413) s)/Mail Date nformal Patent Application				
Paper No(s)/Mail Date	6)	 ·				

DETAILED ACTION

1. This **Final** Office Action is in response to Applicant's amendments filed May 25, 2007. Applicant's amendment canceled claims 1-38 and added new claims 39-53. Currently claims 46-53 are pending with claims 39-45 being withdrawn herein as being directed to a non-elected invention.

Response to Amendment

2. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action.

Response to Arguments

3. Applicant's arguments with respect to claims 46-53 have been considered but are most in view of the new ground(s) of rejection.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., that probability scores are calculated based on the performance of a sufficiently large number of sociometric analyses wherein the z-scores of each of the questions administered for a given individual take the form of a series of normal distributions, wherein the mean of the individual's current score on that question and the mean of the standard deviations equivalent to the standard deviation of the current distribution, Remarks: May 25, 2007: Paragraph 2, Page 7) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the

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specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Further it is noted that calculating z-scores of each of the questions administered for a given individual take the form of a series of normal distributions, wherein the mean of the individual's current score on that question and the mean of the standard deviations equivalent to the standard deviation of the current distribution is old and well known – as taught by at least Sherman, Lawrence, Sociometry In The Classroom: How To Do It (October 19, 2000), Page 40.

Child's score - mean
----- z-score
standard deviation

It is noted that the applicant had not effectively challenge the officially noticed facts cited in the pervious Office Action(s) therefore those statements as presented are herein after prior art. Specifically it has been established that it was old and well known in the art at the time of the invention:

- to perform error checking by re-executing (re-sampling, re-taking, representing) similar or identical questions during a survey;
- to classify/categorize respondents into a plurality of categories such as popular, rejected, neglected, controversial, average and unclassified utilizing one or more sociometric parameters, specifically using social preference and social impact, as well as to classify respondents "falling" into the middle range of values on a

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continuous/linear spectrum from popular → neglected as average (typical, common, normal, etc.);

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- to indicate the probability score (concordance, correspondence, accuracy, strength/weakness, etc.) of a calculated/determined measure (metric, value, parameter, score, etc.) to a classification/category wherein such scores provide an indication of the how "close" (well) the score is to the "ideal" (typically, expected) value(s) for that category; and
- to represent a continuous value (measure, score, etc.) utilizing a continuum/scale/range via a linear bar/graph (slider bar) provides a convenient mechanism for indicating where on the continuum a value lies.

Election/Restrictions

4. Newly submitted claims 39-45 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: claims 39-45 are directed to a method of displaying sociometric data/results using a scatter plot, invention I, while claims 46-53 are directed to a sociometric data collection and analysis method using surveys to obtain peer nominations from school children, invention II.

The Inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as displaying points indicative of sociometric data/results on a graph regardless of the sociometric collection and/or analysis methods utilized to generate the data/results. The subcombination has a separate utility such as displaying sociometric results on a scatter plot for any number of well known sociometric data collection and analysis methods. Further invention II may utilize any of a plurality of methods of displaying the sociometric classifications of the group of schoolchildren. See MPEP § 806.05(d).

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 39-45 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Objections

5. Claims 47-48 and 53 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 112

- 6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 7. Claims 51-53 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding Claim 51, Claim 51 recites the limitation "**the** total probabilities" in Claim 50. There is insufficient antecedent basis for this limitation in the claim.

Examiner interpreted the claim to read "a total probabilities" for the purposes of examination. Appropriate correction is required.

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Claim Rejections - 35 USC § 103

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8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 9. Claims 46 and 49-52 are rejected under 35 U.S.C. 103(a) as being unpatentable over SSRAT as evidenced by at least the following reference: Maassen et al., SSRAT: The processing of rating scales for the determination of two-dimensional sociometric status (1998).

Regarding Claim 46 SSRAT teaches a method of sociometric analysis of a group of schoolchildren comprising (Figure 1; Tables 1, 3):

- surveying the schoolchildren to obtain peer nominations to social preference questions (Column 1, Last Two Paragraphs, Page 675; Column 2, Paragraphs 1-2, Page 676; Column 2, Paragraphs 2-3, Page 678; Table 1);
- analyzing the peer nominations to generate standardized liked most (zLM) and liked least (zLL) metrics for each schoolchild (Column 1, Last Two Paragraphs, Page 675; Column 2, Paragraphs 1-2, Page 676; Table 1);
- generating standardized Social Preference (zSP) and Social Impact (zSI) scores from the standardized liked most and liked least metrics (Column 1, Last Two Paragraphs, Page 675; Column 2, Paragraphs 1-2, Page 676; Table 1);

- classifying each of the schoolchildren into one of a plurality of mutually exclusive sociometric classifications based on the metrics (Column 1, Last Two Paragraphs, Page 675; Column 2, Paragraphs 1-2, Page 676; Table 1);

- generating a probability score (value, number, metric, measure, etc.) for each schoolchild indicative of the probability of the schoolchild being classified in each sociometric/social classification (Column 2, Page 675; Column 1, Last Two Paragraphs, Page 676; Column 2, Paragraphs 1-3, Page 676; Column 1, Paragraphs 1-2, 4-5, Page 677; Column 1, Last Two Paragraphs, Page 678).

```
      1. popular:
      z_{SP} > 1,
      z_{LM} > 0 and z_{LL} < 0;

      2. rejected:
      z_{SP} < -1,
      z_{LM} < 0 and z_{LL} > 0;

      3. neglected:
      z_{SI} < -1.
      z_{LM} < 0 and z_{LL} < 0;

      4. controversial:
      z_{SI} > 1,
      z_{LM} > 0 and z_{LL} > 0;

      5. average:
      remaining group members.
```

Table 1
Fictitious Ratings on a 7-Point Scale
and Nominations Received by a Person
From Nine Fellow Group Members

Person	P	P*	S	A	I	LM	LL	SP	SI
A	2	-2	0	2	2	0	0	0	0
В	1	-3	0	3	3	0	1	-1	1
C	1	-3	0	3	3	0	1	-1	1
D	5	1	1	0	i	0	0	0	0
E	7	3	3	Ö	3	1	0	1	1
F	2	-2	()	2	2	0	O	0	0
G	1	-3	0	3	3	0	1	-1	j
Ή	4	0	0	Ü	0	0	0	Ű	Û
1	2	-2	0	2	2	0	0	Û	0
Total	25	-11	4	15	19	1	3	-2	4

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Table 3

An Example of the Output That SSRAT Can Produce

DATA LIST FIXED/ MATER 1-3 ID 5-9(A) KA 10-12 S 13-15 ES 16-20(1) A 21-23

EA 24-28(1) P 29-31 PLP 32-37(3) PRP 36-45(3) 1 44-46 PLI 47-52(3)
PRI 33-58(3) \$50.050 59-60 \$50.100 69-70.

BEGIN DATA

PMI 33-36(3) \$80.030 9*10 830.100 03*00 27 1.000 0.025 1 POPULAR 1 POPULAR 1 1001 9 27 12.1 0 11.3 63 1.000 0.000 27 1.000 0.025 1 POPULAR 1 POPULAR 1 1002 9 23 12.1 0 11.5 59 0.099 0.002 23 0.450 0.748 1 POPULAR 1 POPULAR 1 1003 9 12 11.8 15 12.1 33 0.394 0.663 27 1.000 0.042 4 CONTROV 5 AVERAGE 1 1005 9 0 11.6 22 12.3 14 0.003 0.998 22 0.195 0.900 5 AVERAGE 5 AVERAGE 1 1005 9 0 11.6 22 12.3 14 0.003 0.998 22 0.195 0.902 2 REJECTD 2 REJECTD 2 REJECTD 1 1006 9 6 11.6 11 11.8 31 0.792 0.741 17 0.002 1.000 3 REGLECT 3 REJECTD 2 2001 9 9 8.9 14 13.4 31 0.504 0.558 23 0.714 0.481 5 AVERAGE 5 AVERAGE 2 2002 9 9 9.3 13 31.4 32 0.538 0.524 22 0.427 0.755 5 AVERAGE 5 AVERAGE 2 2003 9 11 10.6 12 11.8 35 0.554 0.517 23 0.714 0.481 5 AVERAGE 5 AVERAGE 2 2004 9 12 10.2 9 12.6 39 0.869 0.199 21 0.245 0.882 5 AVERAGE 5 AVERAGE 2 2005 9 12 11.9 11 11.0 37 0.538 0.524 22 0.427 0.755 5 AVERAGE 5 AVERAGE 2 2005 9 12 11.9 11 11.0 37 0.538 0.524 22 0.427 0.755 5 AVERAGE 5 AVERAGE 2 2006 9 12 11.9 11 11.0 37 0.538 0.524 20 0.427 0.755 5 AVERAGE 5 AVERAGE 2 2006 9 13 11.9 11 11.0 4.38 0.680 0.354 24 0.867 0.286 5 AVERAGE 5 AVERAGE 2 2008 9 10 10.2 11 12.1 35 0.607 0.462 2 10.366 0.826 5 AVERAGE 5 AVERAGE 2 2009 9 13 11.4 11 11.8 38 0.680 0.354 24 0.768 0.465 5 AVERAGE 5 AVERAGE 2 2009 9 13 11.4 11 11.8 38 0.680 0.354 24 0.768 0.465 5 AVERAGE 5 AVERAGE 2 2009 9 13 11.4 11 11.8 38 0.680 0.354 24 0.697 0.536 5 AVERAGE 5 AVERAGE END DATA.

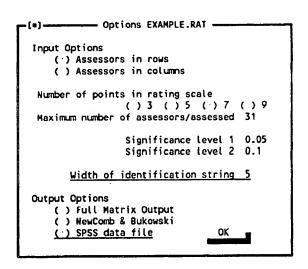


Figure 1. The Options window of SSRAT.

SSRAT does not expressly teach that the probability score is indicative of sociometric/social classification *upon re-assessment* as claimed.

Official notice is taken that calculating a probability that a classification of one or more items will remain the same or be different upon re-assessment (test-test, temporal stability, stability, over-time, etc.) is old and well known, i.e. official notice is taken that indicating the probability score, concordance, correspondence, accuracy, strength/weakness, etc. of a measure to a classification/category is old and well known

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for providing an indication of the how "close" the score is to the "ideal" value(s) for that category, as evidenced by at least the following references:

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- Sherman, Lawrence, Sociometry In The Classroom: How To Do It (2000): Sherman teaches the stability (i.e. fluid or fixed) of sociometric measures/classifications in different settings or over time (Page 41) for the purposes of understanding how and if the schoolchild's sociometric measure will change/evolve ("want to know how the stability or similarity of a child's social status in difference classrooms or even over time, e.g. do kids change or maintain their social status as they grow older", Paragraph 1, Page 41);
- Maassen et al., Nominations, Ratings and the Dimensions of Sociometric Status: Paragraph 2, Page 196;
- Frederickson et al., Sociometric Classification Methods in School Peer Groups (1998): Column 2, Last Paragraph, Page 927; Column 1, Paragraph 1, Page 928; Column 2, Paragraph 2, Page 930; Table 5; and
- Terry et al., A Comparison of Methods for Defining Sociometric Status Among Children (1991): Page 873; "The fully asses the stability of the status groups, we must analyze the likelihood that an individual will maintain a particular status."; Column 1, Paragraph 1, Page 874; Column 1, Last Paragraph, Page 878; Column 1, Paragraphs 2-3, Page 879; Tables 3, 6-7, 9.

It would have been obvious to one skilled in the art at the time of the invention that the sociometric analysis and classification method as taught by SSRAT would have

benefited from generating a probability score indicative of sociometric/social classification *upon re-assessment* (test-retest, stability, temporal stability, etc.) in view of the teachings of official notice; the resultant system enabling users to judge (see, view, etc.) how close a match the individual is to the category/profile/classification they are categorized in and/or "fully asses the stability of the status groups, we must analyze the likelihood that an individual will maintain a particular status." (Terry et al.: Column 1, Paragraph 1, Page 874)

Regarding Claim 49 SSRAT teaches a method of sociometric analysis wherein the probability of each schoolchild's liked most and liked lest scores upon reassessment being greater or less than zero are respectively (Column 2, Last Two Paragraphs, Page 676; Column 1, Paragraphs 1-2, Page 677; Column 2, Paragraph 1, Page 677; Table 3): PzLMPos = P(zLM>0); PzLMNeg = 1-PzLMPos; PzLLPos = P(zLL>0) and PzLLNeg = 1-PzLLPos.

Regarding Claim 50 SSRAT teaches a method of sociometric analysis wherein the probability score for each schoolchild are calculated as (Column 2, Last Two Paragraphs, Page 676; Column 1, Paragraphs 1-2, Page 677; Column 2, Paragraph 1, Page 677; Table 3): P(Popular) = PzSPPos1*PzLLNeg*PzLMPos; P(Rejected)=PzSPNeg1*PzLLPos*PzLMNeg; P(Neglected) = PzSINeg1 * PzLLNeg*PzLMNeg; P(Controversial) = PzSIPos1*PzLLPos*PzLMPos; P(Average) =

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PzSPAverage*PzSlAverage; and P(Unclassified) = (PSINominal*PzSPNominal) – P(Average).

Regarding Claim 51 SSRAT teaches a method of sociometric analysis further comprising a total probabilities (Column 1, Paragraphs 2-3, Page 678; Column 2, Paragraphs 2-3, Page 676; Table 1): TotalP = P(Popular) + P(Rejected) + P(Neglected) + P(Controversial) + P(Average) + P(Unclassified).

Regarding Claim 52 SSRAT teaches a method of sociometric analysis further comprising calculating the probability of each schoolchild's sociometric social classification wherein the probabilities/sociometric scores are standardized/normalized so that the can be compared to one another (Column 2, Last Two Paragraphs, Page 676). SSRAT further teaches determining a TotalP as well as P(Popular), P(Rejected), P(Neglected), P(Controversial) and P(Average) as discussed above.

SSRAT does not expressly teach calculating the *relative probability* of each schoolchild's sociometric social classification *upon re-assessment* as claimed:

RP(Popular) = [P(Popular) / TotalP] *100

RP(Rejected) = [P(Rejected) / TotalP] *100

RP(Neglected) = [P(Neglected) / TotalP] *100

RP(Controversial) = [P(Controversial / TotalP] *100

RP(Average) = [P(Average) / TotalP] *100; and

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RP(Unclassified) = [P(Unclassified) / TotalP] *100

Official notice is taken that comparing schoolchildren within and among the classifications is one of the well known uses of sociometric analysis and classification methods/techniques wherein standardized/normalized sociometric metrics/scores enable "apple-to-apple" relative comparisons. Further it is noted that only simple math is necessary to determine the relative probability for each of the sociometric/social classifications using values known and taught by SSRTA (i.e. TotalP, P(Popular), P(Rejected), P(Neglected), P(Controversial and P(Average).

It would have been obvious to one skilled in the art at the time of the invention that the sociometric analysis and classification method as taught by SSRAT with its ability to generate TotalP, P(Popular), P(Rejected), P(Neglected), P(Controversial) and P(Average) for the purposes of comparing/relating the sociometric status/classification amongst a group of schoolchildren would have benefited from using well known mathematical techniques to determine the relative probability of schoolchild's sociometric social classification in view of the teachings of official notice.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Peery, Popular, Amiable, Isolated, Rejected: A Reconceptualization of Sociometric Status in Preschool (1979), teaches a method of sociometric analysis of schoolchildren comprising surveying schoolchildren to obtain peer nominations to social preference questions, analyzing the peer nominations to generate standardized social preference and social impact scores and classifying each schoolchild into one of a set of sociometric status groups based on the analysis of the peer nominations.

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- MacDonald, Gender and Peer Relations: Sociometric Classification and Behavior Correlates (1993), teach a sociometric analysis of a group of schoolchildren comprising surveying schoolchildren to obtain peer nominations and classifying each schoolchild into one of a plurality of sociometric social classifications based on the nominations.

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- Terry et al., A Comparison of Methods for Defining Sociometric Status Among Children (1991), teach a several well-known and widely practiced sociometric analysis methods for analyzing schoolchildren. Terry et al. further teach that surveying schoolchildren to obtain peer nominations (positive and negative nominations), generating standardized social preference and social impact scores from standardized liked most and liked least peer nominations and classifying each schoolchild into one of a plurality of sociometric social classifications (popular, rejected, neglected, average, controversial, etc.) based on the nominations is old and very well known.
- Further Terry et al. teach the importance of determining the relative test-retest stability and reliability of the sociometric classifications.
- DeRosier et al., Children's Academic and Behavioral Adjustment as a Function of the Chronicity and Proximity of Peer Rejection (1994), teaches a method of sociometric analysis of schoolchildren comprising surveying schoolchildren to obtain peer nominations (positive and negative nominations), generating standardized social preference and social impact scores from standardized liked most and liked least peer nominations and classifying each schoolchild into one of a plurality of sociometric social

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classifications (popular, rejected, neglected, average, controversial, etc.) based on the nominations.

- Mize, Peer Reputation and Sociometric Status (1995), teaches several well known methods of sociometric analysis and classification of schoolchildren including but not limited to peer nominations (liked most, liked least, social preference, social impact scores).
- Maassen et al., Nominations, Rations and the Dimensions of Sociometric

 Status (1997), teach a method of sociometric analysis and classification of
 schoolchildren using well-known and widely used techniques (e.g. peer nominations,
 liked most, liked least, social preference, social impact). Maassen et al. further teach a
 method of displaying the results of a sociometric analysis of a group of schoolchildren
 wherein schoolchildren nominate peers in response to social preference questions
 comprising displaying a Cartesian coordinate axes indicating values of two sociometric
 parameters, plotting points representing schoolchildren in a two-dimensional scatte rplot
 diagram whereby the position of each point corresponds to values of the sociometric
 parameters associated with each schoolchild; and displaying a plurality of sociometric
 classifications defined by ranges of the values of the two sociometric parameters,
 whereby points falling within the areas represent schoolchildren classified into
 corresponding sociometric social classifications.

TABLE 1
Fictitious Example of Sociometric Scores of One Individual, received from Seven
Assessors

Attributed by Person	Score on Liking Dimension (L _{2k})	Liked Most Nomination (LM ₁₂)	Liked Least Nomination (LL _{\alpha})	$Preference$ $(P_{\alpha} = LM_{\Omega} - LL_{\alpha})$	$Impact \\ (I_{12} = LM_{12} + LL_{23})$
Α	1	1	0	1	1
В	-1	0	1	-1	1
C	1	1	0	1	1
D	0	0.	0	0	0
E	-1	0	1	-1	1
F	0	0	0	0	0
G	-1	0	1	-1	1
Total	-1	2	3	-1	5
,		$=LM_{+x}$	$=LL_{sx}$	= P4k	= I. _k
	$=\Sigma L_{ik}$	$= \Sigma L M_{ii}$	$=\Sigma L L_{\alpha}$	$= \Sigma P_{ix}$	$=\Sigma I_{\alpha}$

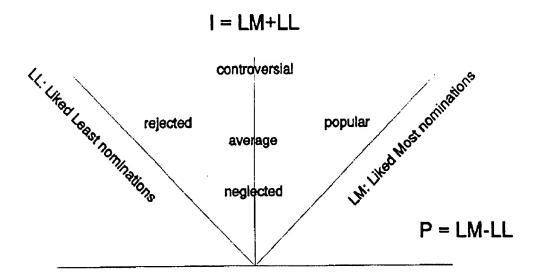
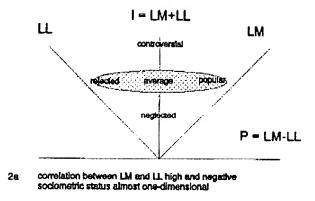
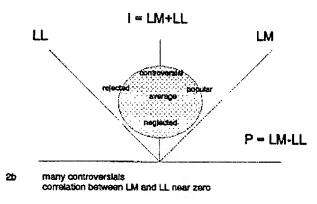


FIG. 1. Location of the sociometric status groups (partly taken from Peery, 1979).





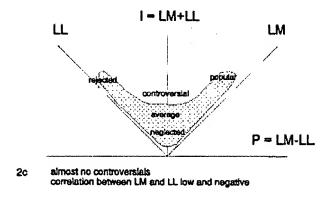


FIG. 2. Some situations corresponding with different correlations between liked least and liked most nominations.

- Maassen, Ratings as validation of sociometric status determined by nominations in longitudinal research (1998) teaches a well known sociometric analysis method comprising surveying schoolchildren to obtain peer nominations (positive and negative nominations), generating standardized social preference and social impact scores from standardized liked most and liked least peer nominations and classifying each schoolchild into one of a plurality of sociometric social classifications (popular, rejected, neglected, average, controversial, etc.) based on the nominations.

Maassen further teaches the importance of understanding the stability of the sociometric classification.

- Maassen et al., SSRAT: The processing of rating scales for the determination of two-dimensional sociometric status (1998), teach a system and method of sociometric analysis of a group of schoolchildren comprising surveying schoolchildren to obtain peer nominations (positive and negative nominations), generating standardized social preference and social impact scores from standardized liked most and liked least peer nominations and classifying each schoolchild into one of a plurality of sociometric social classifications (popular, rejected, neglected, average, controversial, etc.) based on the nominations.
- Frederickson et al., Sociometric Classification Methods in School Peer Groups (1998), teach several well-known methods/techniques (14) of sociometric analysis and sociometric classification of schoolchildren including but not limited to peer nominations, roster and rating scale techniques. Frederickson et al. further teach determining the test-retest reliability of the social classifications.

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- Bagwell et al., Peer Clique Participation and Social Status in Preadolescence

(2000), teach several well-known methods of sociometric analysis and classification

including peer nominations via social preference questions.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Scott L. Jarrett whose telephone number is (571) 272-

7033. The examiner can normally be reached on Monday-Friday, 8:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hafiz Tariq can be reached on (571) 272-6729. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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Status information for unpublished applications is available through Private PAIR only.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Scott Jafrett

Asst. Examiner

August 10, 2007

TARIÓ R\HAFIZ

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